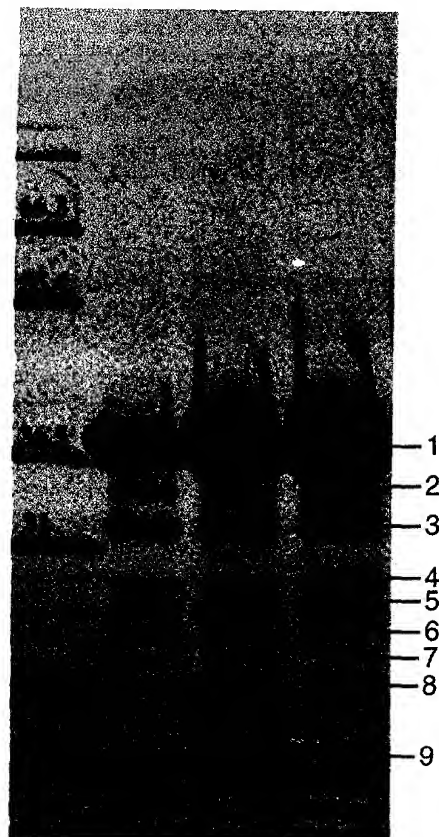


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**FIG. 1**

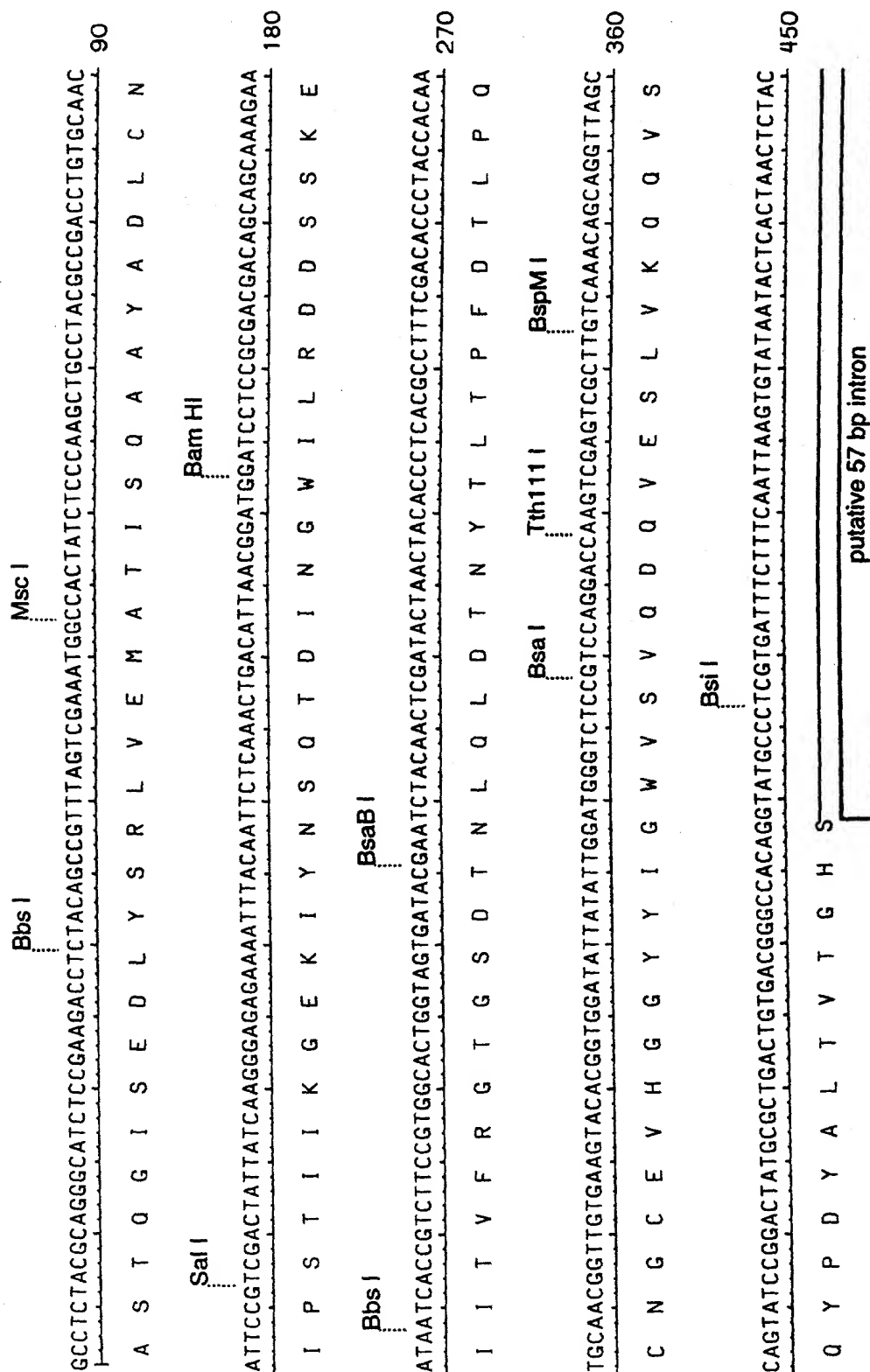
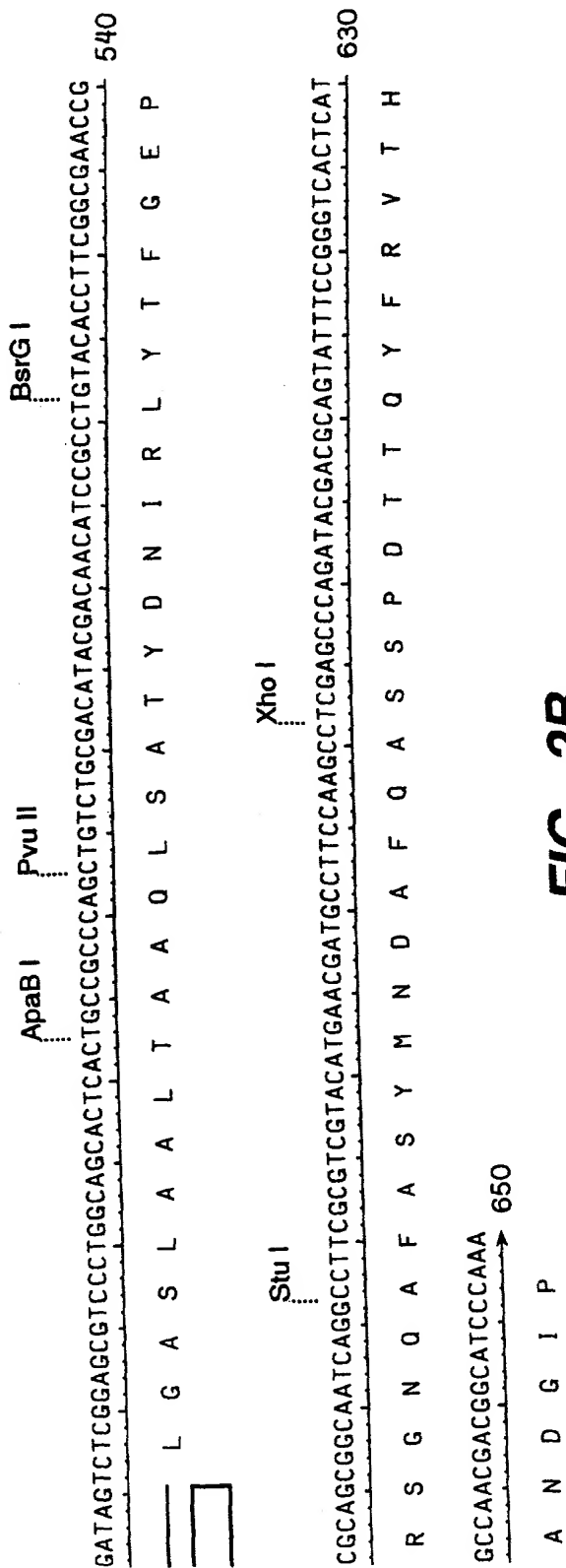


FIG. 2A



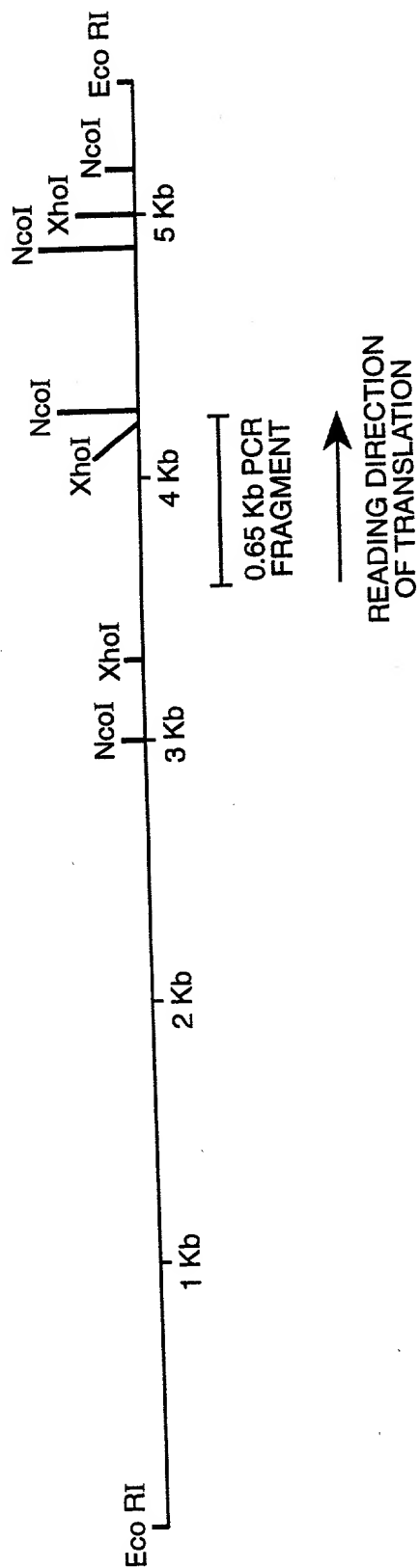


FIG.-3

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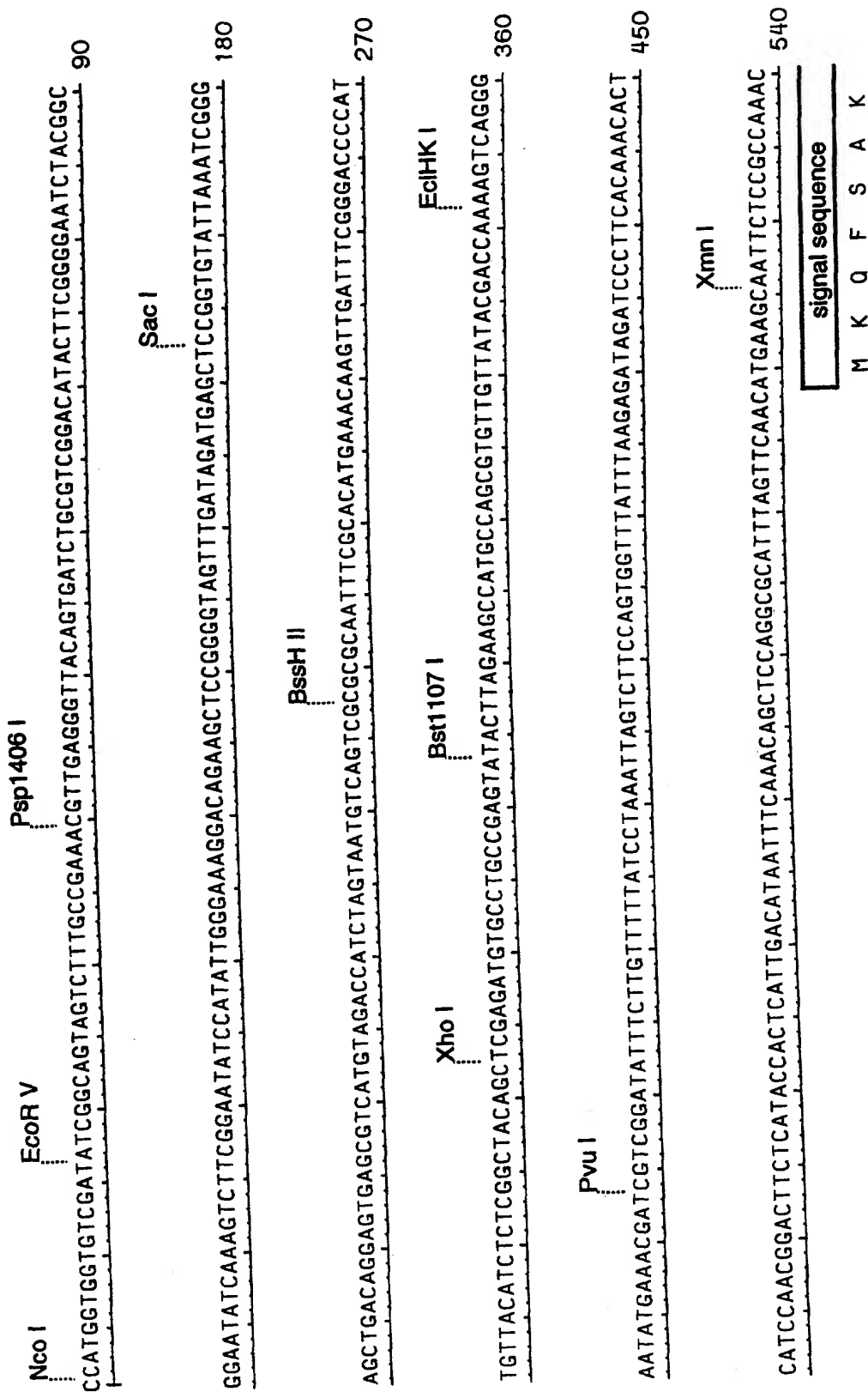


FIG. 4A

+

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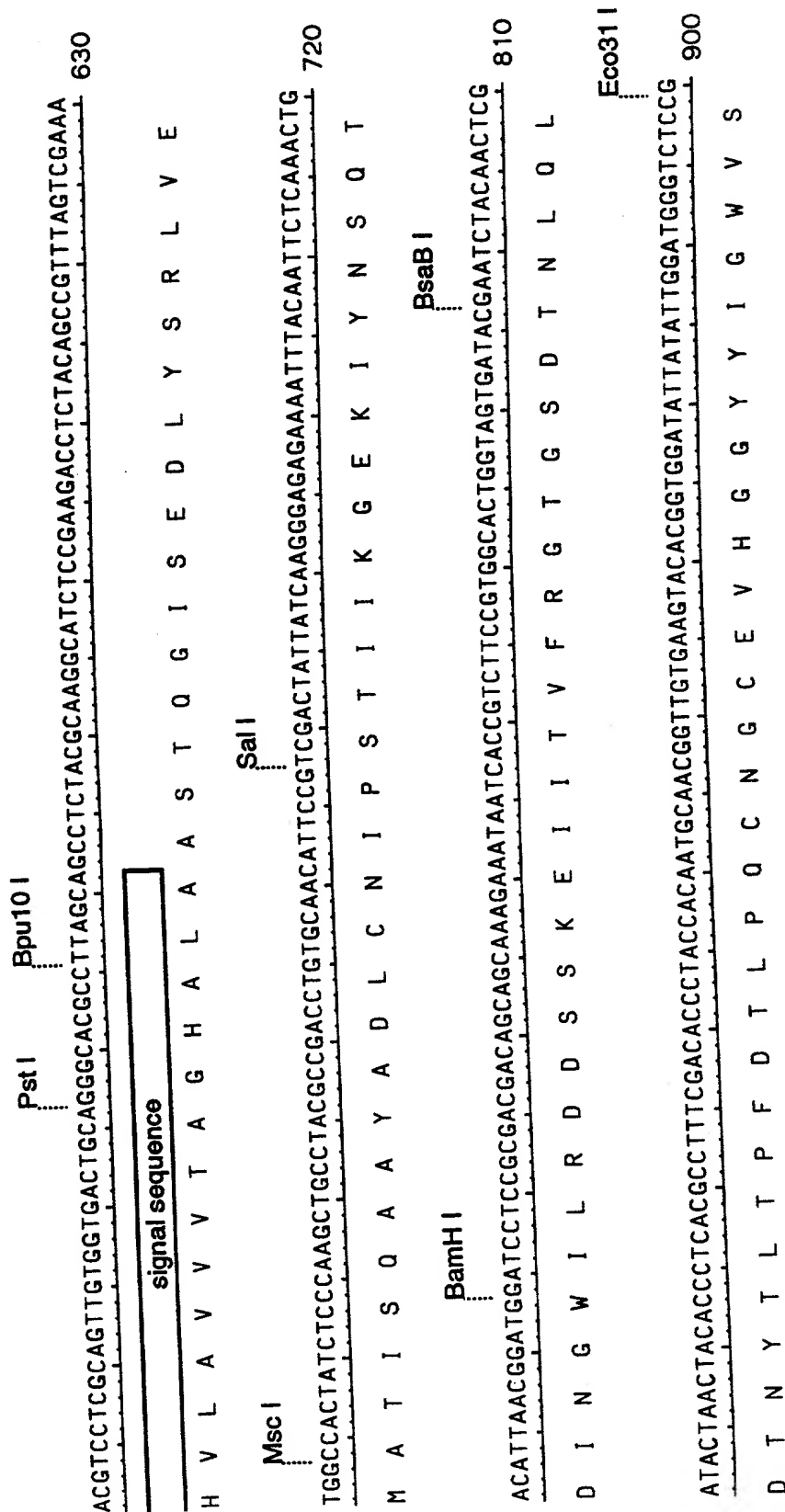


FIG. 4B

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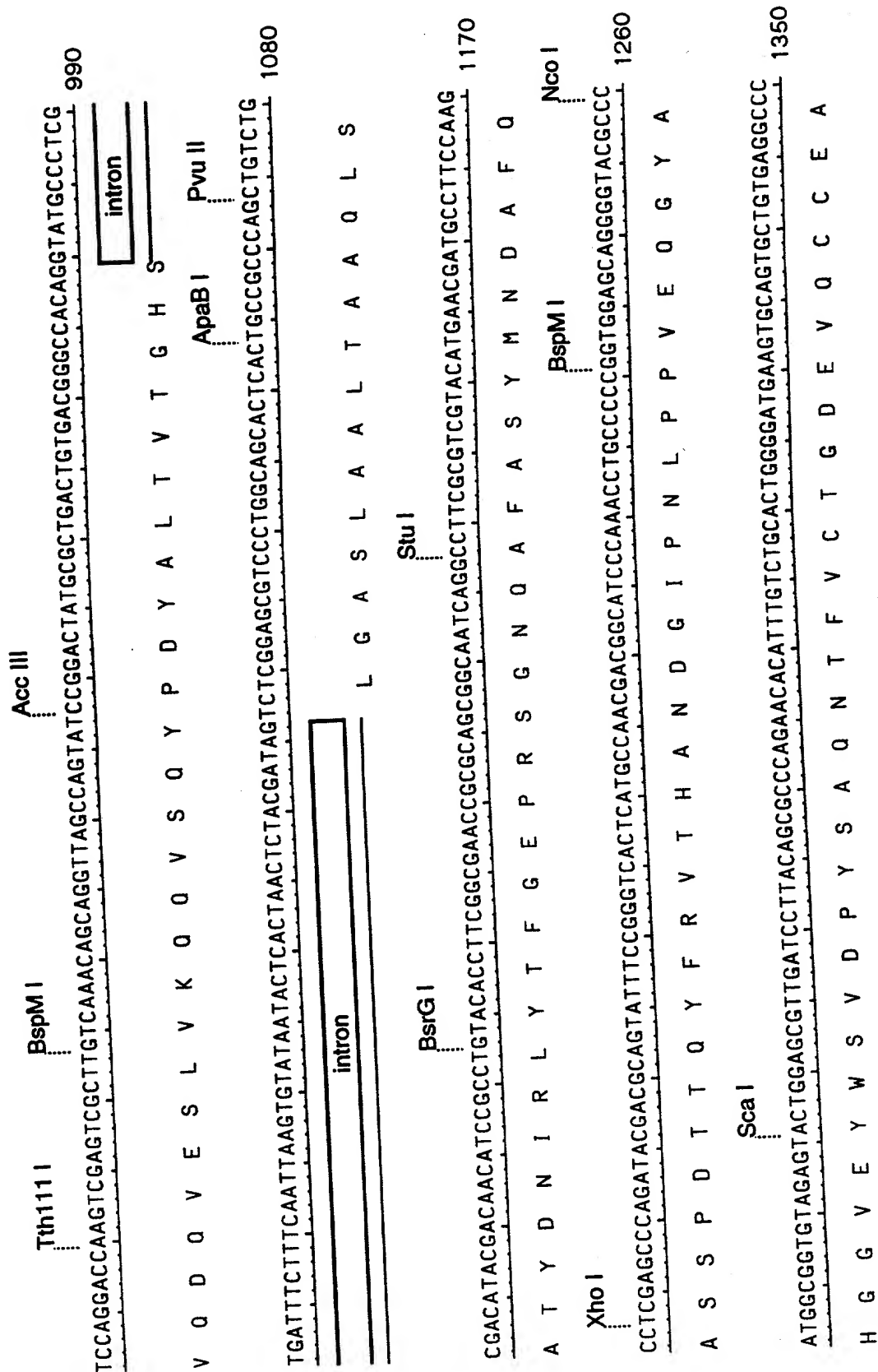


FIG.-4C

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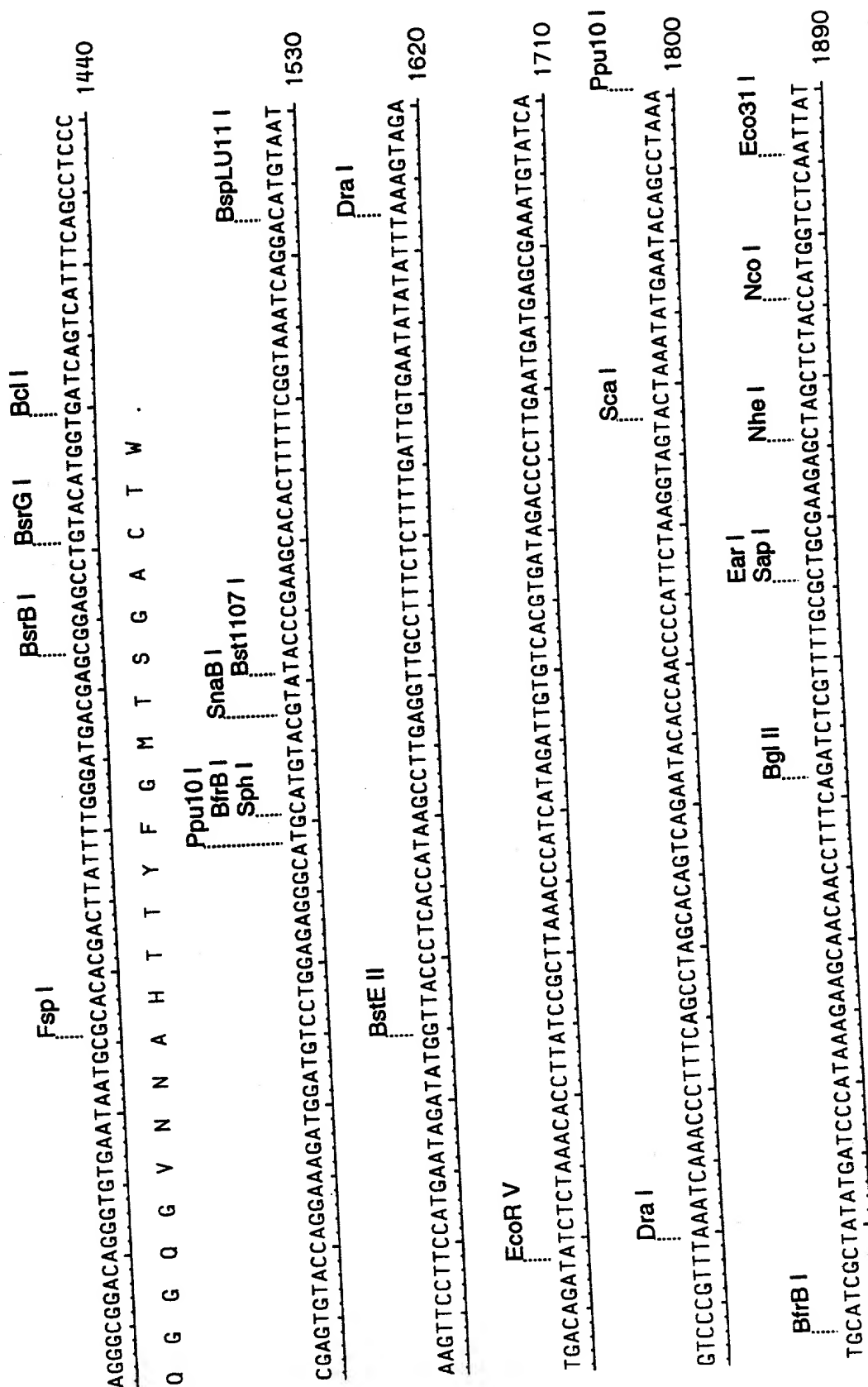


FIG.-4D



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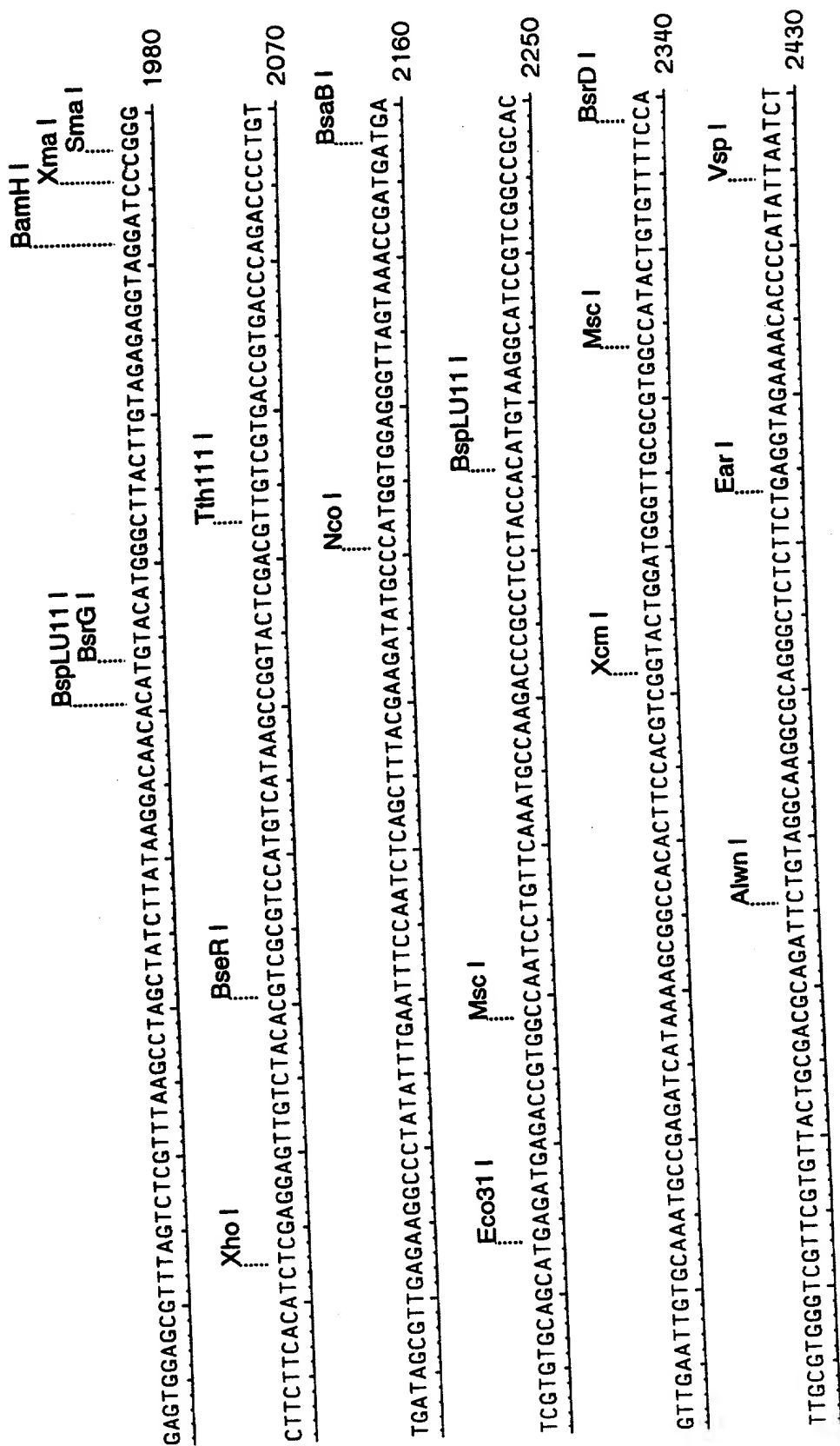


FIG. 4E

EcoRI  
GAATTC → 2436

CCATGGTGGTGCATATCGGCAGTAGTCTTTGCGGAAACGGTTGAGGGTTACAGTGATCTGCGTCGGACATACCTT  
CGGGAACTACGGCGGAAATATCAAGTCTTCGGAAATATCCATATTGGGAAAGGACAGAAAGCTCCGGGGTAGTTT  
GATAGATGAGCTCCGGTGTAATAATCGGGAGCTGACAGGAGTGAGCGTCACTGTAGACCATCTAGTAATGTCAAGT  
CGCGGCAATTTTCGCACATGAACAAGTTGATTTTCGGGACCCCATTTGTTACATCTCTCGGCTACAGCTCGAGATG  
TGCCCTGCCGAGTATACCTTAGAAGCCATGCCAGCGTGTGTTTATACGACCAAAAGTCAGGGAATATGAACAAGATCG  
TCGGATATTTTCTGTTTATCCTAAATTAGTCTTCAGTGTTTATTTAAGAGATAGATCCCTTCACAAACACT  
CATCCAAACGGAATCTCTCATACCACTGATGACATAATTTCAACAGCTCCAGGCGCATTTAGTTCAACATGAAGC  
AATCTCCGCGCAACACAGTCCTCGAGTTGTGAGTACTGACAGGCGCATCTAGCAGCCCTACGCAAGGCATCT  
CCGAAGACCTCTACAGCCGTTTAGTCGAAATGGCCACTATCTCCCAAGCTGCTAGCAGCCCTACGCGCAACATTC  
CGTCGACTATTATCAAGGAGAGAAAATTTACAAATCTCAAACTGACATTAACGGATGGAATCTCCGCGACGACA  
GCAGCAAGAAATAATCACCGTCTTCCTCGTGCCACTGGTAGTGATACGAACTCTACAACTCAGTACTAACTACACC  
TCACGCCCTTCGACACCCCTACCAATGCAACGGTTGTGAAGTACACGGTGGAATATTATATTGATGGGTCTCCG  
TCCAGGAACCAAGTCGAGTCGCTTGTCAACACAGCAGGTTAGCCAGTATCCGGACTATGCGCTGACTGCTGACGGGCC  
ACAGGTAAGCCCTCGTGATTTCTTCAATTAAGTGATAATACTCACTAATCTACGATAGTCTCGGAGCGGTCCC  
TGGCAGCACTACCTGCGCCCGAGTGTCTGCGACATACGACAACTCCGCTGTACACCTTCGCGGAACCGCGCA  
GGGCAATCAAGGCCCTTCGCTCGTACATGAACGATGCCCTTCGAGCCAGCCAGATACGACGCGCATTTTCC  
GGTCACTCATGCCAACGACGGCATCCCAACCTGCCCCGGTGAGCAGGGGTACGCCCATGCGCGGTGTAGAGT  
ACTGAGCGTGTGATCCTTACAGCGCCCAAGAACACATTTGTCTGCACCTGGGATGAAGTGCAGTGTGTGAGGCC  
AGGCGGACAGGGTGTGAATAATGCGGCACACGACTTATTTTGGGATGACGAGCGGAGCTGTACATGGTGATCAG  
TCAATTCAGCTCCCGAGTGTACAGGAAGATGGATGTCTCCGAGAGGGCATGCAATGTACGTATACCCGAAGC  
ACACTTTTCGGTAATCAGGACATGTAAATAGTTCTCTCCATGAAATAGATATGGTTACCTCACCATAAAGCCTT  
GAGGTGCCCTTCTCTTTGATTTGATTTGAAATATAATTTAAAGTAGATGACAGATATCTCTAAACACCTTATCCGCT  
TAAACCCATCATAGATTGTGTACGTTGATAGACCCCTTGAATGATGAGCGAAATGTATCAGTCCCGTTTAAATCA  
AACCTTTCAGCTAGCACAGTCAGAAATACACCAACCCCTTCTAAAGGTAGTACTAAATATGAATACAGCCTAAA  
TGCAATCGCTATATGATCCCATAAAGCAACACCTTTCAGATCTCGTTTTCGCTGCGGAGAGCTAGCTCTAC  
CATGGTCTCAATATAGTGGAGCGTTTAGTCTCGTTTAAAGCTAGCTATCTTATAAGGACAAACACATGTACATG  
GGCTTACTGTAGAGAGTACCGGGCTTCTTCACTCTCAGGAGTTGTCTACACGTCGCGTCCATGTCA  
TAAAGCCGGTACTCGACGTTGTGTCGTGACCGGTGACCCAGACCCCTGTTGATAGCGTTGAGAAAGGCCCTATATTGAA  
TTTCCCAATCTCAGCTTACGAAGATATGCCCATGTTGGAGGGTTAGTAAACCGATGATGATCGTGTGACGATGA  
GATGAGACCGTGCCCAATCCTGTTCATGTCCTTCAACCGCTCTCTACCATGTAAGGCAATCCGTGCGCCGAC  
GTTGAATGTGCAAAATGCCGAGATCATAAAGGGCCACACTTCCAGTCGGTACTGGATGGGTTCGCGGTGGCC  
ATACTGTGTTTCCATTGCGTGGTTCGTTGTTACTGCGACGCGAGATTCTGTAGGCAAGGCGCAGGCTCTCT  
TCTGAGGTAGAAAAACACCCCATATTAATCTGAATTCT

FIG. 5

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1 2 3 4 5 6 7 8 9 10 11 12 13 14



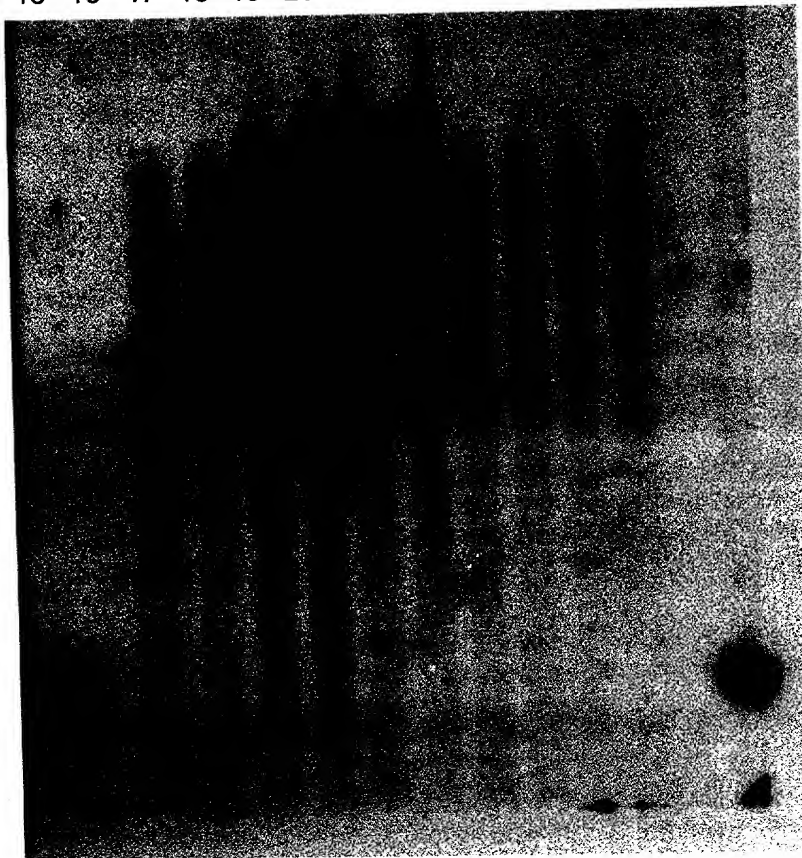
**FIG.\_6**

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15 16 17 18 19 20 21 22 23 24 25 26 27 28



**FIG.\_7**